

FIG. 1  
(Prior Art)

860E21-940E2260

9

COMPUTER SYSTEM 212

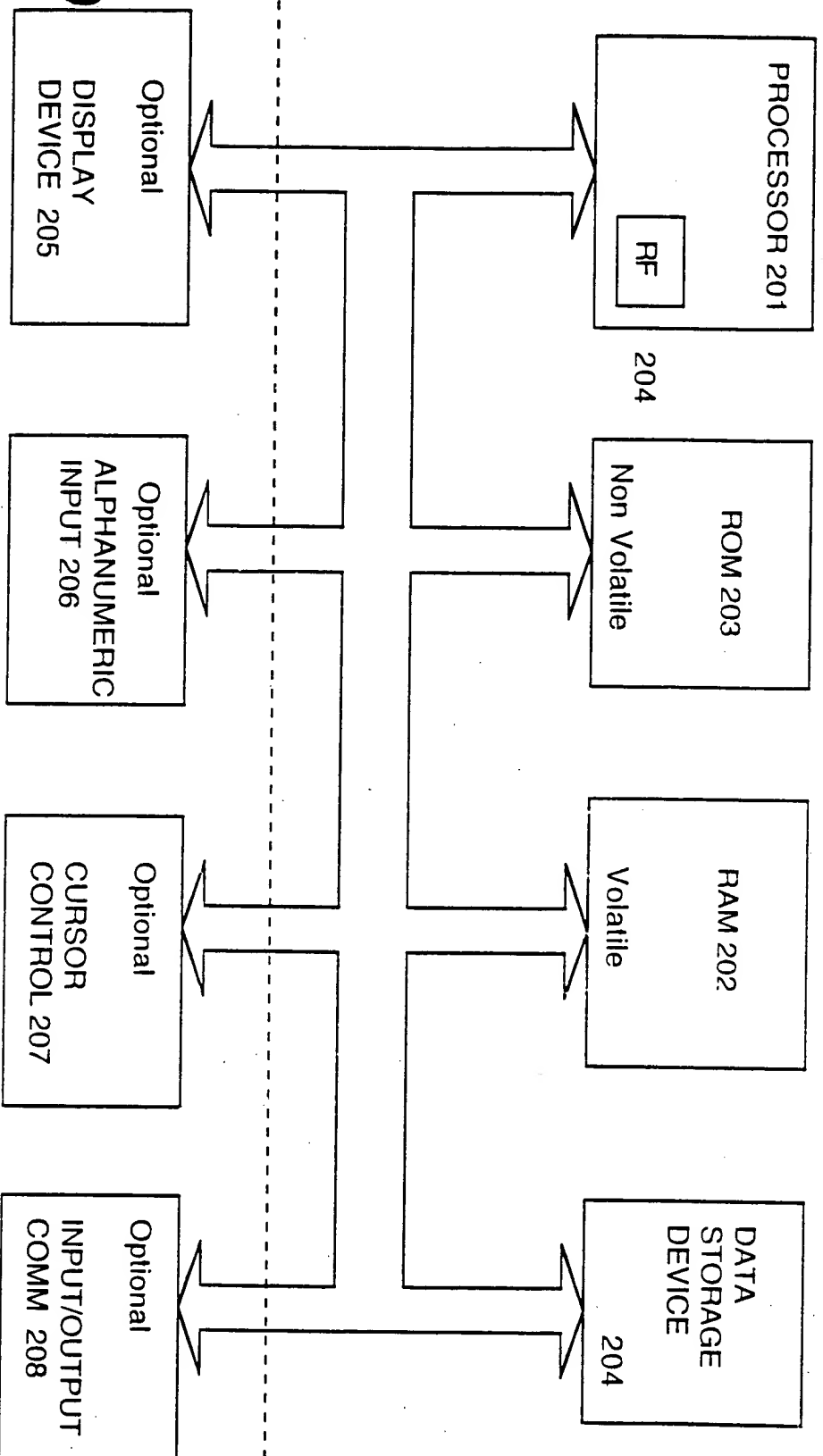


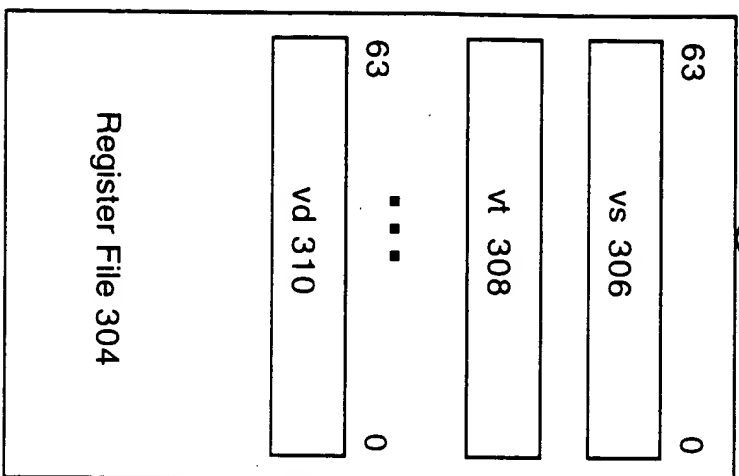
FIG. 2

To Main Memory

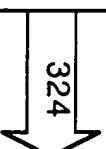
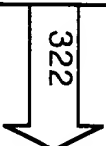
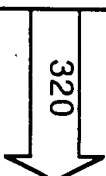


Vector Load/Store Unit 318

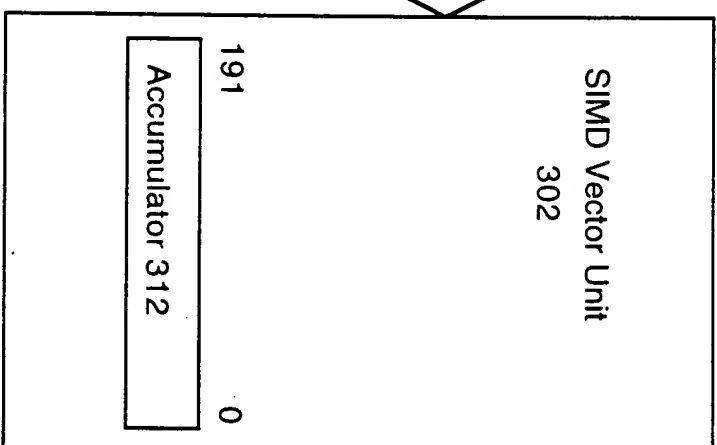
300



Register File 304



314



SIMD Vector Unit  
302

Accumulator 312



316

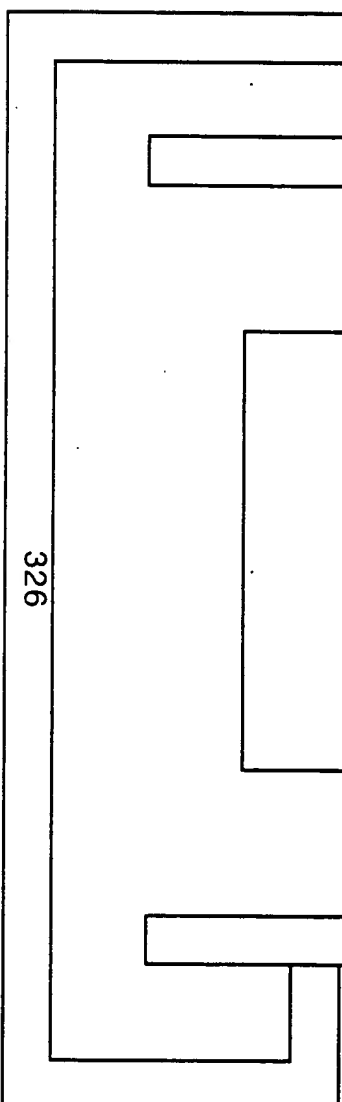


FIG. 3

09223046-123098

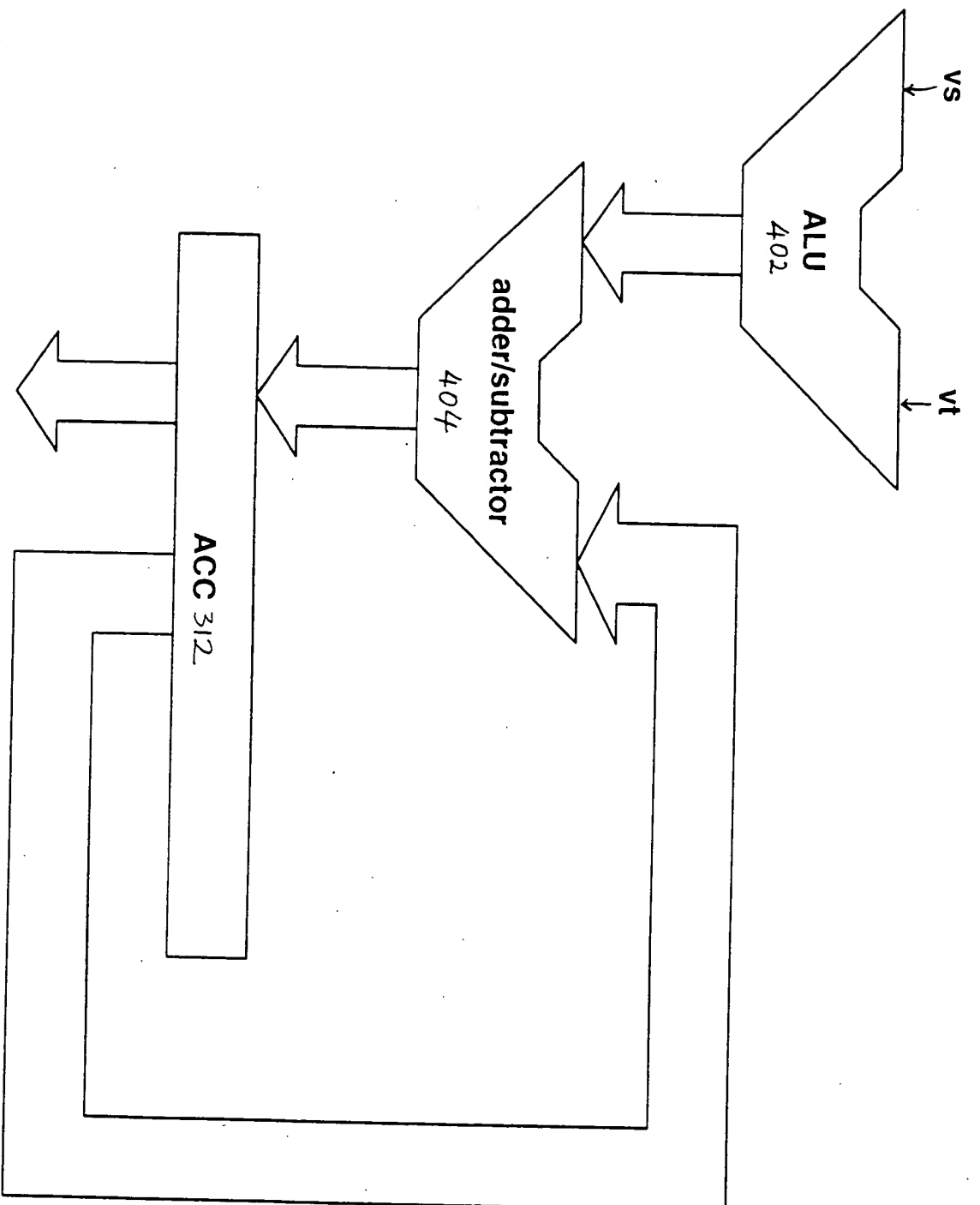
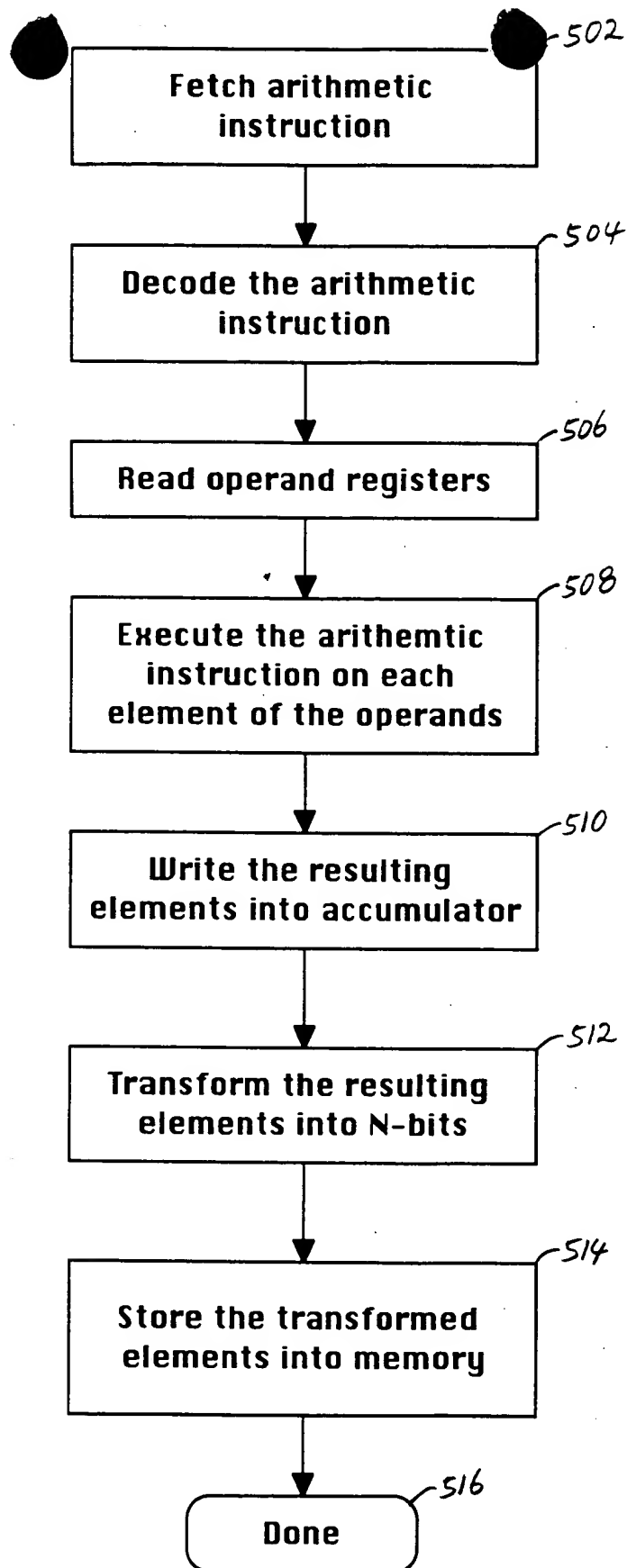


FIG. 4

09223046 . 123098

09223046-123098



**FIG. 5**

# QH DATA TYPE ELEMENT SELECT FORMAT

vt: 63 48 47 32 31 16 15 0  
 D C B A ~600

A	A	A	A	~602
B	B	B	B	~604
C	C	C	C	~606
D	D	D	D	~608
D	C	B	A	~610

FIG. 6

# OB DATA TYPE ELEMENT SELECT FORMAT

vt: 63 56 55 48 47 40 39 32 31 24 23 16 15 8 7 0

H	G	F	E	D	C	B	A	700
A	A	A	A	A	A	A	A	702
B	B	B	B	B	B	B	B	704
C	C	C	C	C	C	C	C	706
D	D	D	D	D	D	D	D	708
E	E	E	E	E	E	E	E	710
F	F	F	F	F	F	F	F	712
G	G	G	G	G	G	G	G	714
H	H	H	H	H	H	H	H	716
H	G	F	E	D	C	B	A	718

FIG. 7

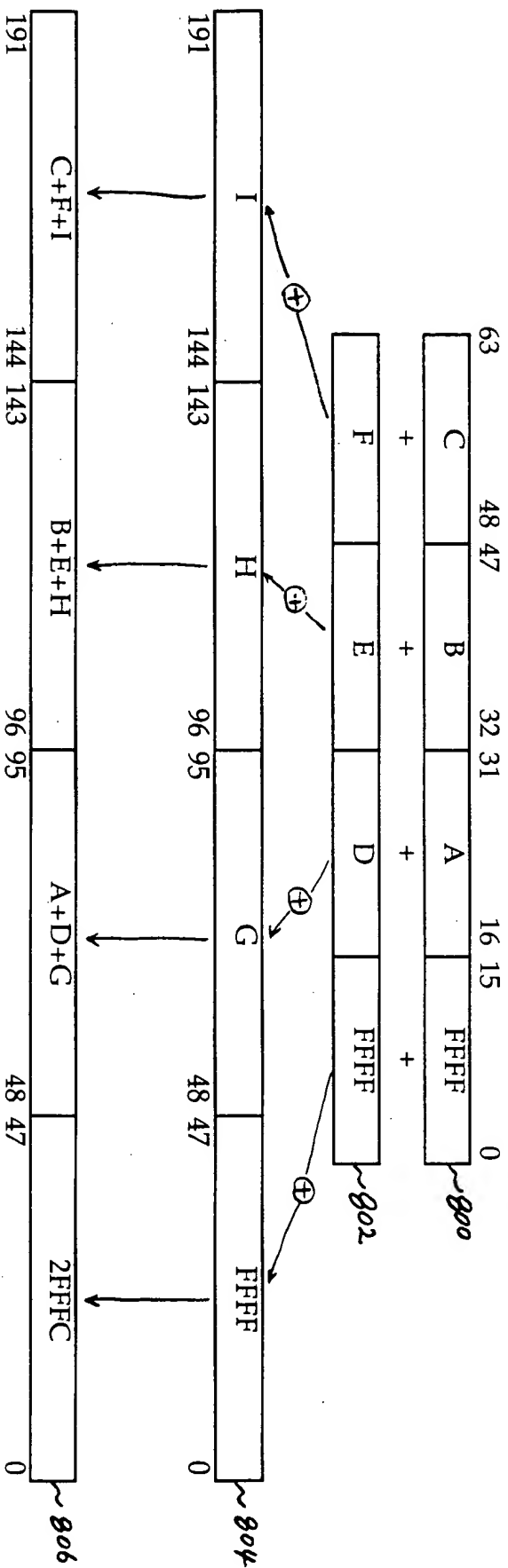


FIG. 8



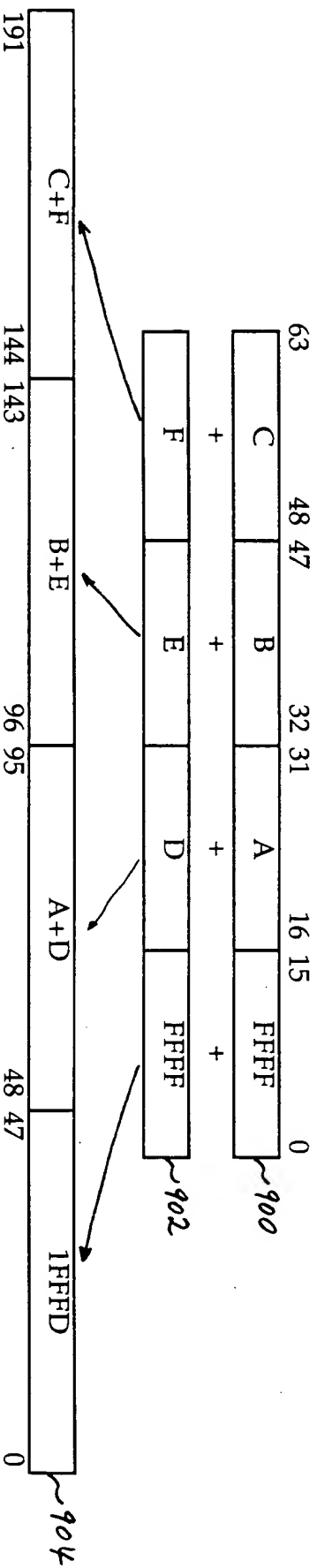


FIG. 9